FACULTAD DE MEDICINA
PONTIFICIA UNIVERSIDAD
CATÓLICA DE CHILE

SCCBM
Sociedad Chilena
de Cirugía Bariátrica
y Metabólica

HUGO-RAS en Cirugía Bariátrica: Experiencia Inicial en Chile

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VIII Congreso Chileno de Cirugía Bariátrica y Metabólica

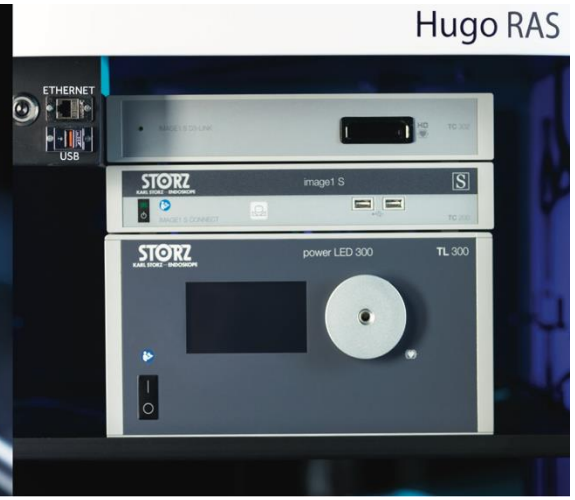
Disclosures

- Medtronic – Advisor, speaker and proctor.

The Hugo™ RAS System

- Sistema robótico desarrollado por Medtronic.
- Brazos independientes con consola abierta y. visión 3D en HD .
- Aprobación en Europa para Uro y Gine en 2021 – Cx general en 2022.
- Diseñada pera mejorar la ergonomía y comunicación en pabellón.
- Aprobacion en EEUU FDA 2026.

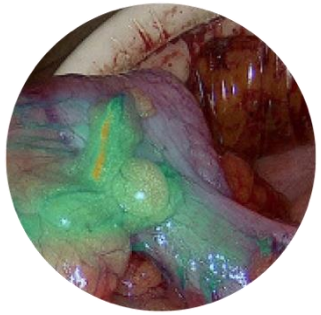
HUGO-RAS Tower



Karl-Storz – IMAGE1 S RUBINA™

Blue and green overlays

Maximize visibility across anatomies and in varying light settings by combining white-light endoscopic image with ICG/NIR image for real-time insights.[1]



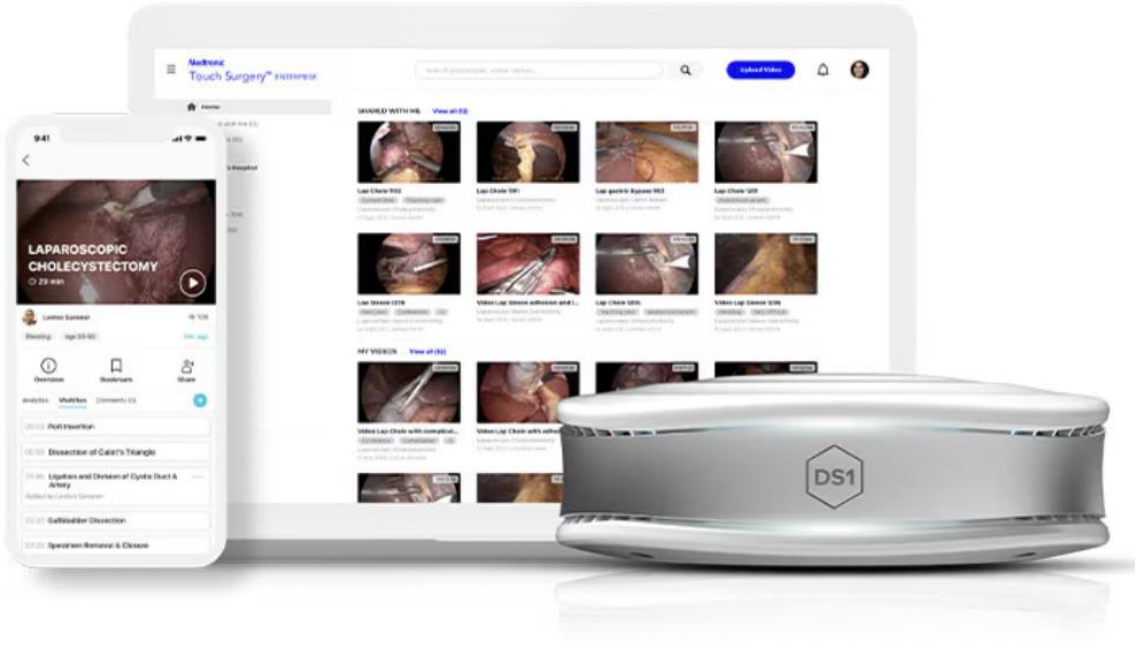
Intensity mapping

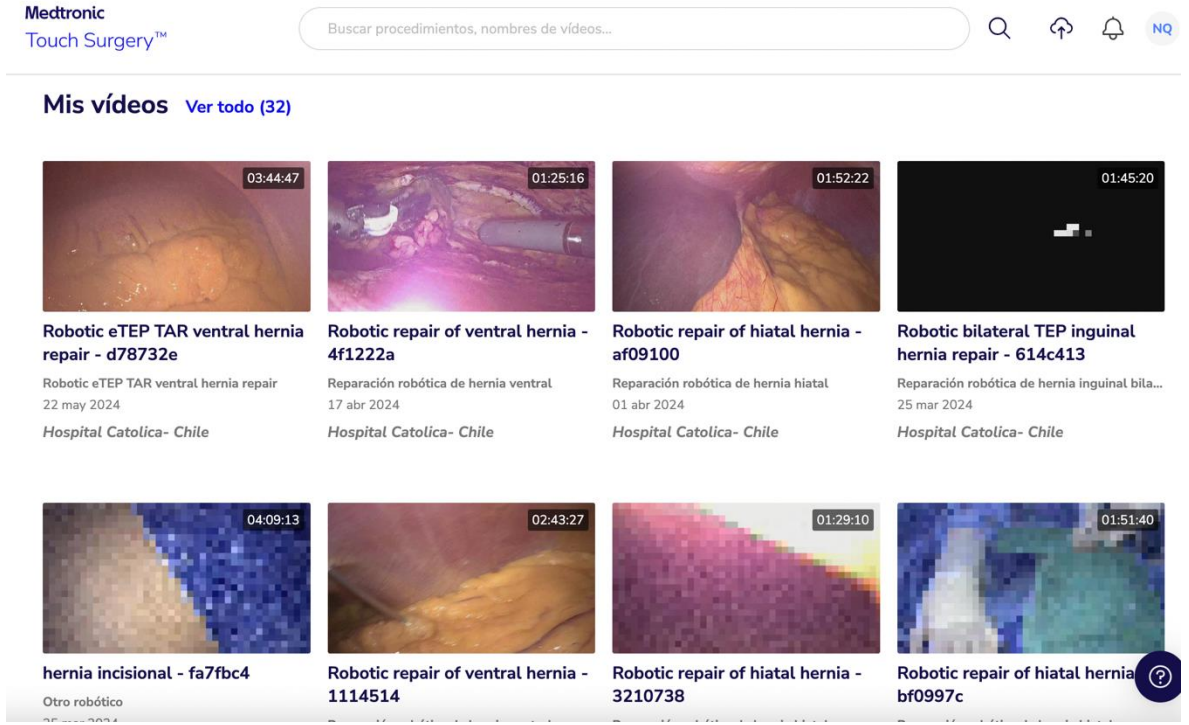
Confidently visualize critical structures (e.g., the sentinel lymph node).[†,2]

Monochromatic mode

Spot leakage with next-level visual clarity.[1]

DS1


Medtronic
Touch Surgery™
LAPAROSCOPIC
CHOLECYSTECTOMY
DS1


Medtronic
Touch Surgery™
Buscar procedimientos, nombres de vídeos...
NQ
Mis vídeos
Ver todo (32)
03:44:47
Robotic eTEP TAR ventral hernia repair - d78732e
Robotic eTEP TAR ventral hernia repair
22 may 2024
Hospital Catolica- Chile
01:25:16
Robotic repair of ventral hernia - 4f1222a
Reparación robótica de hernia ventral
17 abr 2024
Hospital Catolica- Chile
01:52:22
Robotic repair of hiatal hernia - af09100
Reparación robótica de hernia hiatal
01 abr 2024
Hospital Catolica- Chile
01:45:20
Robotic bilateral TEP inguinal hernia repair - 614c413
Reparación robótica de hernia inguinal bila...
25 mar 2024
Hospital Catolica- Chile
04:09:13
hernia incisional - fa7fbc4
Otro robótico
02:43:27
Robotic repair of ventral hernia - 1114514
01:29:10
Robotic repair of hiatal hernia - 3210738
01:51:40
Robotic repair of hiatal hernia - bf0997c

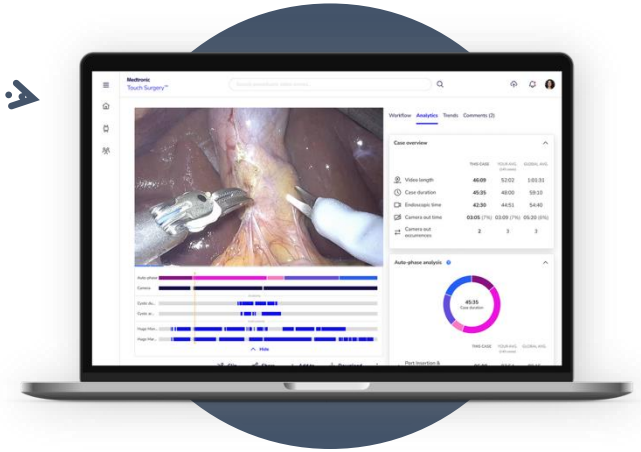
Automatically generated insights at your fingertips

For each video….

Powered by AI

Video available minutes after uploading

Automatic detection of key procedural moments



Most insights available within 2-4 hours of upload

New procedures and insights are continuously added and pushed out through automatic software updates.†

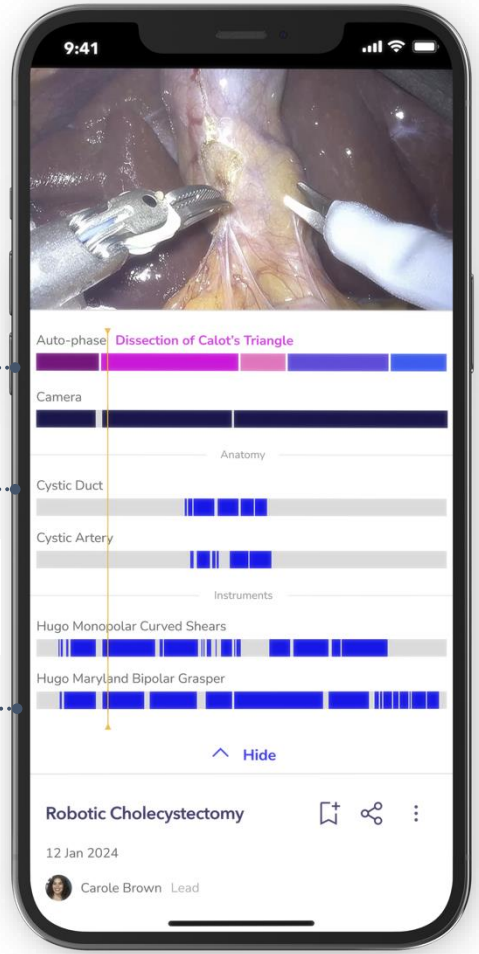
†Please note: Performance Insights available for select procedures.

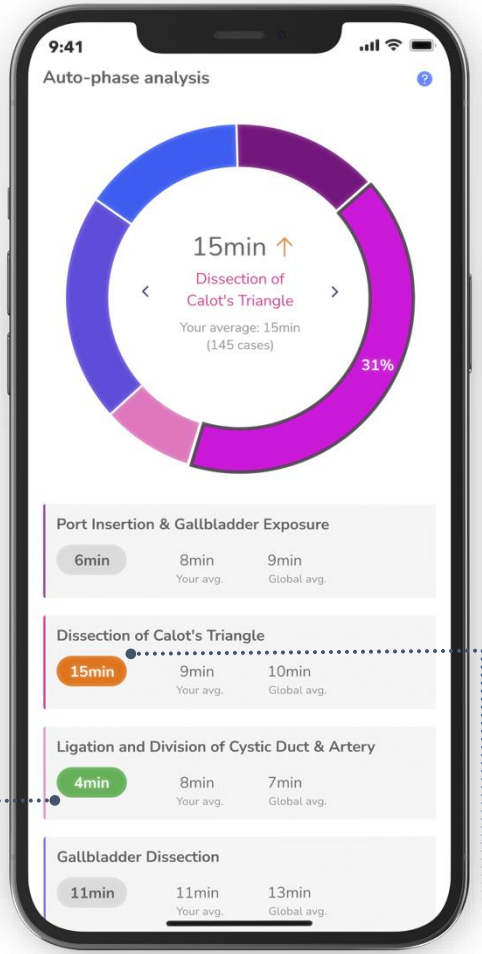
We use AI to transform videos into actionable insights

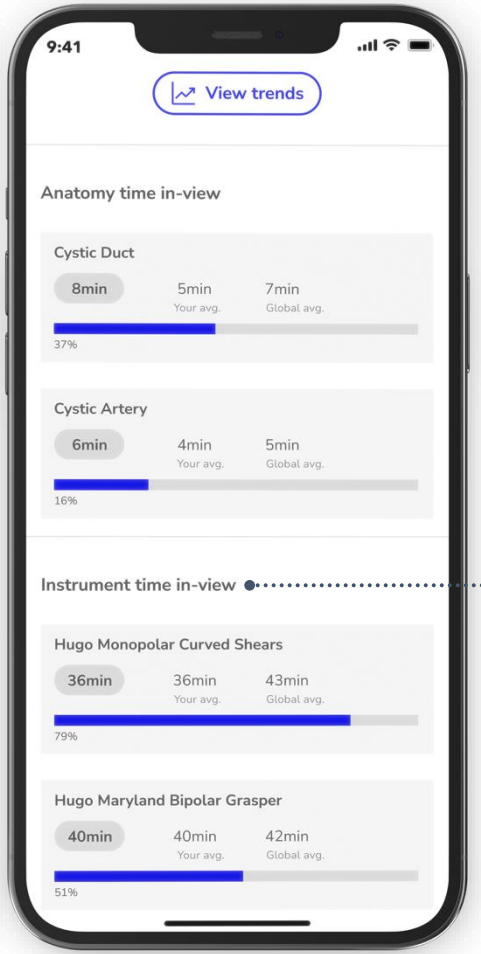
Automatic phase segmentation

Easily navigate to key moments in your video

Time in-view for anatomy and instruments







Our Performance Insights help you measure your personal progression by showing each case in the context of your overall average.

Metrics are time-based and assess duration of:

- Procedural phases
- Instruments in-view
- Anatomy in-view
- Global benchmarking

Green tag indicates a faster than average outlier

Orange tag indicates a longer than average outlier

†Please note: Performance Insights available for select procedures.

The Medtronic Hugo™ RAS system is commercially available in certain geographies. Regulatory requirements of individual countries and regions will determine approval, clearance, or market availability. In the EU, the Hugo™ RAS system is CE marked. In the U.S., the Hugo™ system is an investigational device not for sale.

Touch Surgery Live Stream

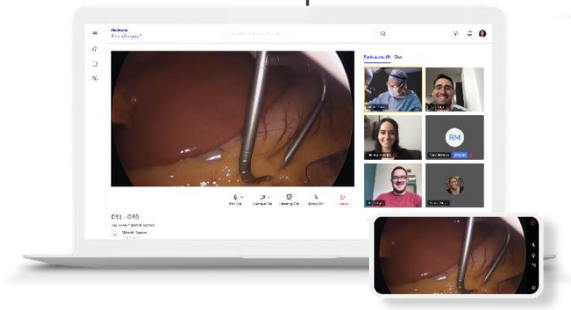
Touch Surgery™ Live Stream

1

Mobile touchscreen wirelessly connects procedure room and clinical team with remote attendees.

2

Participants can join the stream on their desktop or mobile, from anywhere, with one tap.

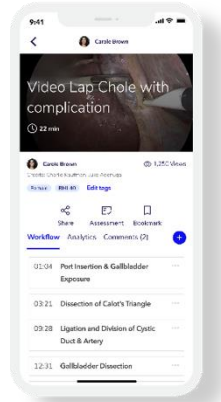


The Touch Surgery™ Ecosystem

3

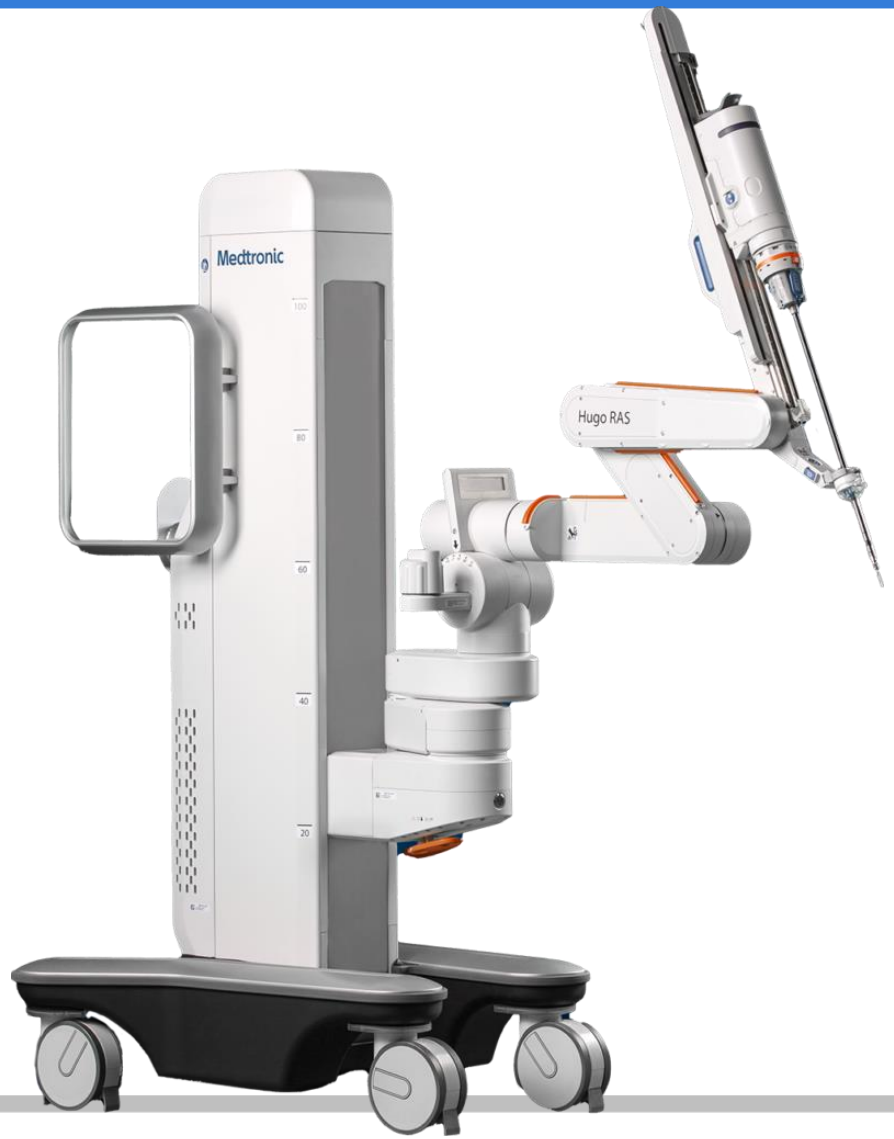
Endoscopic feed can be recorded…

4



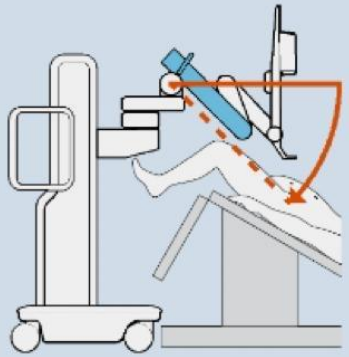
…and uploaded to the cloud for reviewing and sharing immediately after the case.

Robotic Arms – Tilt and Angle

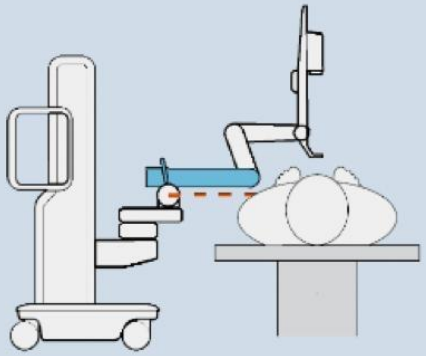


GENERAL ARM POSITIONING

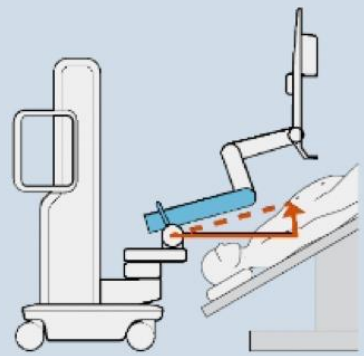
Arms working **above** and over a patient will be positioned high with **tilt down**.



Arms working more **level** with the patient may be positioned mid-height with **flatter tilt.**

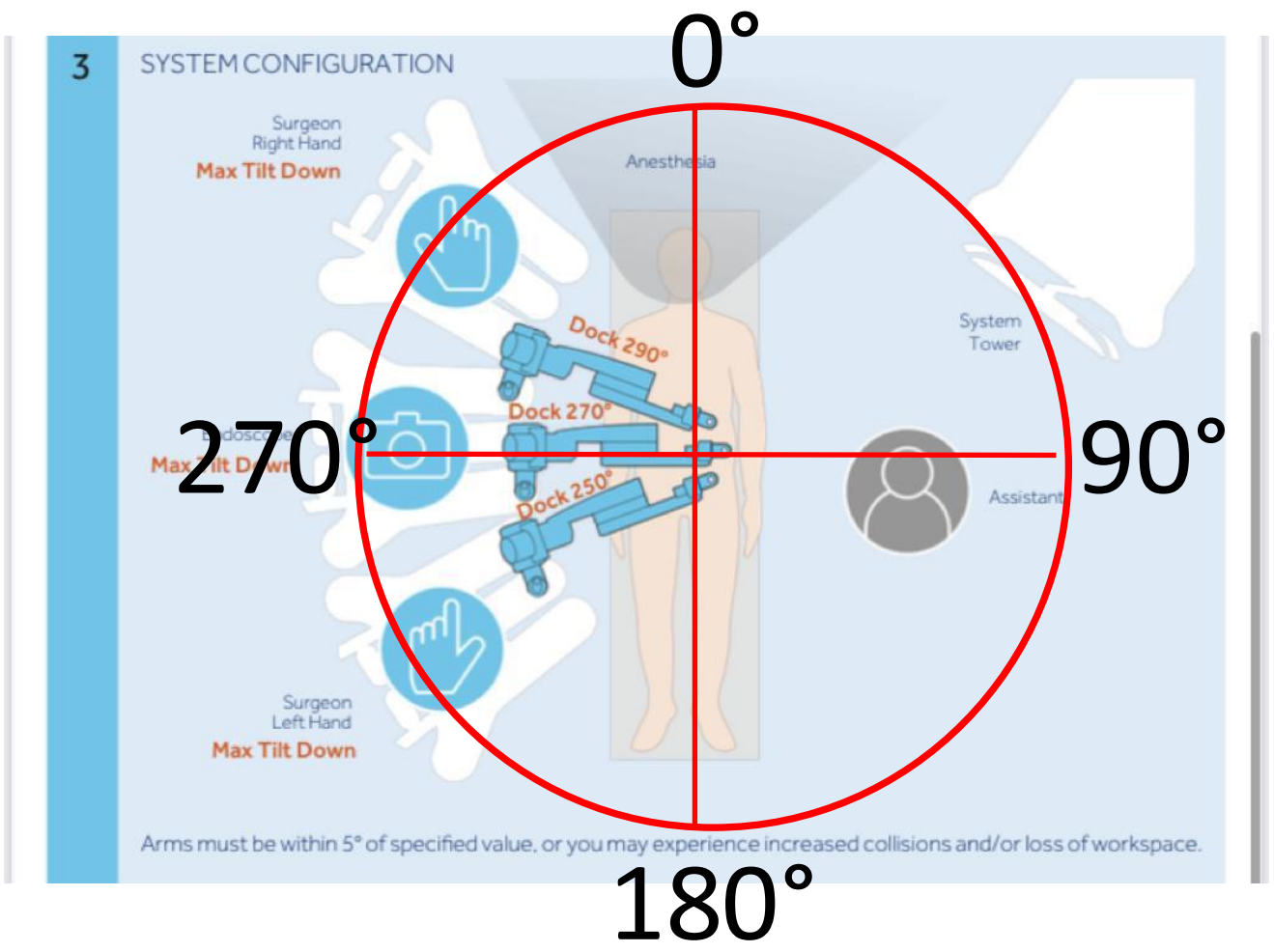


Arms working **below** and forward to the patient will be positioned low with **tilt up**.

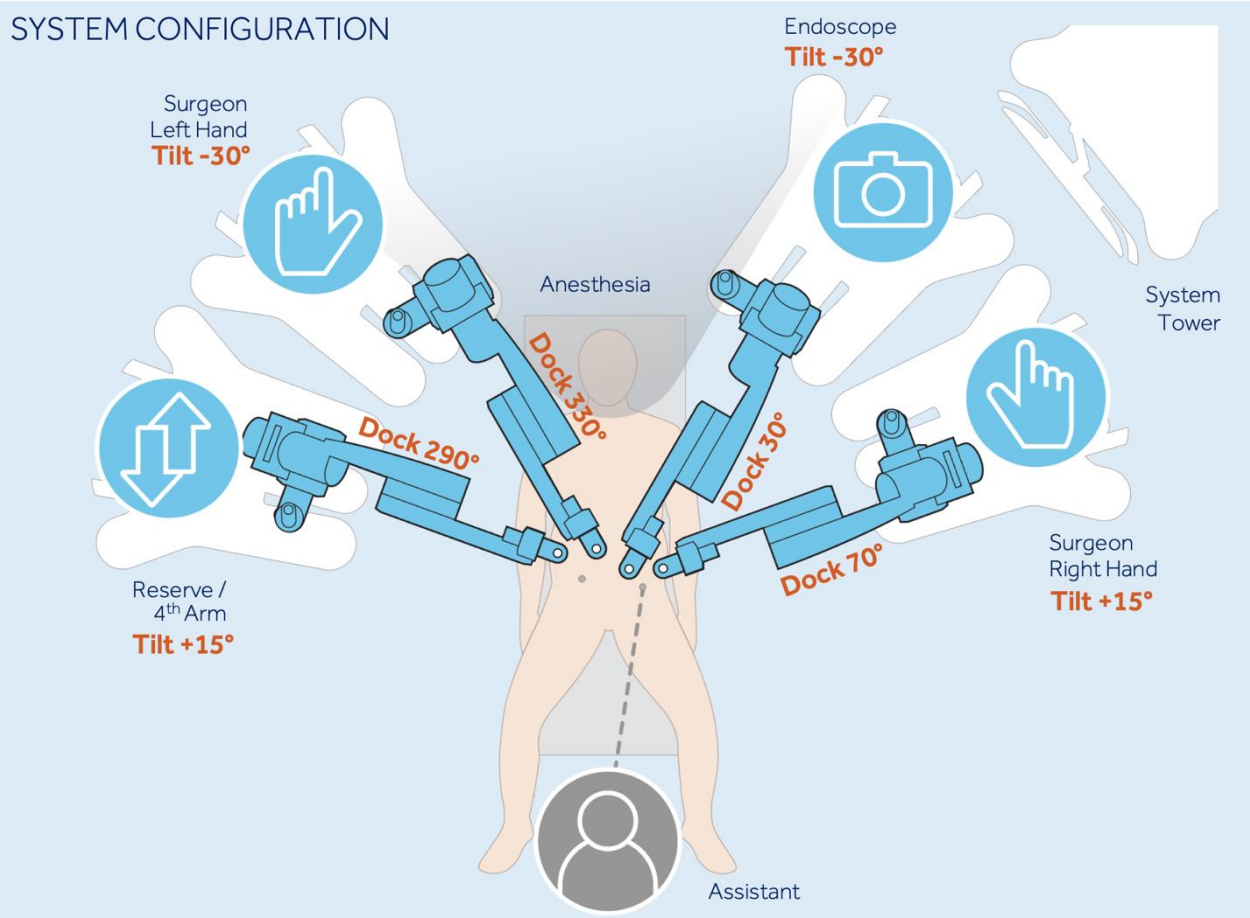


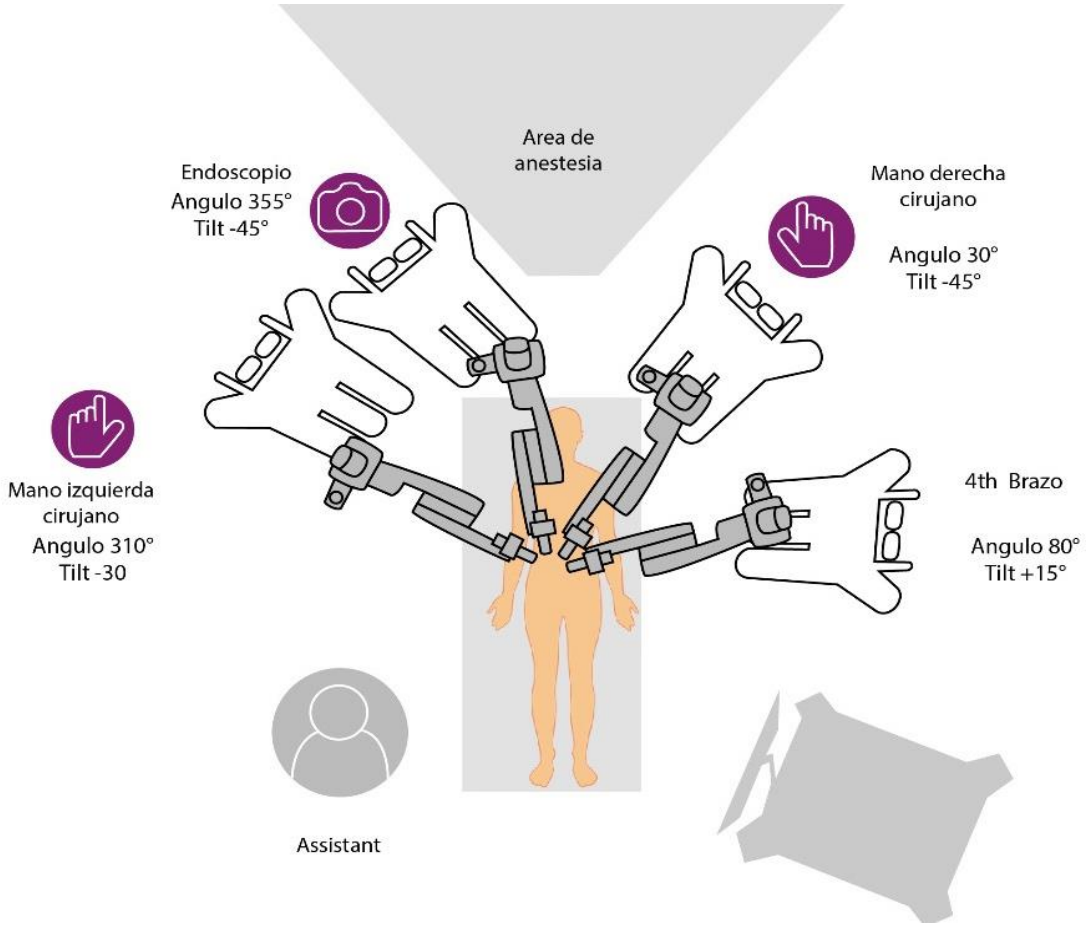
Arm height is determined by the arm's tilt and the relative port height, not as a specific setting

Docking – Tilt and angle



Set-up for Upper GI Surgery





Docking

Gastrectomía en Manga Robótica

Cirugía Revisional

Cirugía Revisional

Gastrectomía Subtotal Robótica

Experiencia UC (Marzo 2025 - 2026)

Variable	Resultado
N° pacientes	22
Sexo (% mujeres)	66,7%
Edad (años, media)	48,4
IMC (media)	37,8
Diabetes (%)	9,5%
Tipo de cirugía	Revisional: 18 / Bypass Primario: 3 / Manga 1
Tiempo docking (min, media)	3,4
Tiempo operatorio (min, media)	138,1 (Bypass)
Morbilidad (%)	1/22 (4%) – HDA manejo médico

IntraOp Augmented Intelligence

Cirugía Guiada por IA

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